

## C-130 PLANNING DATA

ACL: 25,000 lbs

Theater Airlift: Strategic and Tactical

### CARGO COMPARTMENT

Length: 624 in.      Width: 123 in.<sup>1</sup>      Height: 108 in.

Usable dimensions:

Length: 597 in.      Width: 105 in.      Height: 102 in.

**PALLETIZED CARGO LOADING:** Maximum six (6) 463L pallets with the following limitations when using HCU-7/E and HCU-15/C nets:

Pallet positions 1 thru 4 : 10,355 lbs. ea.<sup>2,3</sup>

Pallet position 5 : 8,500 lbs<sup>2</sup>

Pallet position 6 (ramp) : 4,664 lbs<sup>2,4</sup>

Height of pallet positions 1 thru 5 : 96 inches

Height of pallet position 6 : 76 inches

### PASSENGER LOADING:

Web passenger seats (AE-2)	90
Paratroops	64
Full sidewall seats only.(CP-1)	42
MAXIMUM ON OVERWATER FLIGHTS (AE-2)	74

### NOTES:

<sup>1</sup> With permanently installed dual rails, the maximum width for floor loaded cargo, rolling stock and tracked vehicles is 105 inches.

<sup>2</sup> Includes weight of pallet and nets (355 lbs).

<sup>3</sup> Pallet positions 3 and 4 require a 6-inch access aisle down left side of pallet(s).

<sup>4</sup> Pallet position 6 requires a 18-inch aisle (latrine access) down one side of pallet.



## C-17 PLANNING DATA

ACL: 135,000 lbs

Intertheater Airlift: Strategic & Tactical

### CARGO COMPARTMENT

Length: 1,075 in.

Width: 216 in.

Height: 148 in.<sup>1a</sup>  
162 in.<sup>1b</sup>

Usable dimensions:

Length: 1022 in.

Width: 216 in.

Height: 158 in.<sup>1b</sup>

**PALLETIZED CARGO LOADING:** Maximum eighteen (18) 463L pallets loaded in the logistics configuration (108" long by 88" wide) with following limitations when using HCU-7/E and HCU-15/C nets:

Pallet positions 1 thru 14: 10,355 lbs. ea.<sup>2</sup>

Pallet positions 15-18 (ramp): 10,355 lbs. ea.<sup>2</sup>

Height of pallet positions 1 thru 18: 96 inches

### PASSENGER LOADING:

Sidewall seats (permanent) 54 passengers

Center seats (additional seat kit) 48 passengers

Paratroops 102 passengers

**MAXIMUM ON OVERWATER FLIGHTS 102 passengers**

### NOTES:

- 1
  - a. Forward/under the wing box. Fuselage stations 381 to 971.
  - b. Aft of the wing box. Fuselage stations 971 to 1164.
- 2 Includes weight of pallet and nets (355 lbs) and a total ramp weight not to exceed 40,000 pounds.



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## C-5A/B PLANNING DATA

ACL: 130,000 lbs

Intertheater Airlift: Strategic

### CARGO COMPARTMENT

Length: 1,733 in.      Width: 228 in.      Height: 162 in.

Usable dimensions:

Length: 1,726 in.      Width: 228 in.      Height: 158 in.

**PALLETIZED CARGO LOADING:**      Maximum thirty-six (36) 463L pallets with following limitations when using HCU-7/E and HCU-15/C nets:

Pallet positions 3 thru 34:	10,355 lbs. ea. <sup>1</sup>
Pallet positions 1, 2, 35 and 36 (ramps):	7,500 lbs. ea. <sup>1,2</sup>
Height of pallet positions 1 thru 34:	96 inches
Height of pallet positions 35 and 36:	70 inches

### PASSENGER LOADING:

Airline seats (troop compartment)	73 passengers
MAXIMUM ON OVERWATER FLIGHTS	73 passengers

### NOTES:

<sup>1</sup>Includes weight of pallet and nets (355 lbs).

<sup>2</sup>Pallet positions 1,2, 35 and 36 require a 14-inch access aisle down the outboard edge of the pallet(s).



## KC-10A PLANNING DATA

Airlift Role ACL: 80,000 lbs

Dual Role ACL: 60,000 lbs

Intertheater Airlift: Strategic

### CARGO COMPARTMENT:

Length: 1,508 in.

Width: 218 in.<sup>1</sup>

Height: 95 - 131 in.<sup>1</sup>

#### Usable dimensions:

Length: 1,416 in.

Width: 218 in.

Height: 102 in.<sup>1</sup>

### PALLETIZED CARGO LOADING:

Maximum twenty-two (22) 463L pallets with following limitations when using HCU-7/E and HCU-15/C nets:

Pallet positions 2 thru 6 (left and right):	6,500 lbs. ea. <sup>2</sup>
Pallet positions 7 thru 11 (left and right):	10,000 lbs. ea. <sup>2</sup>
Pallet positions 12 (left and right):	6,500 lbs. ea. <sup>2</sup>
Height of pallet positions 2 thru 10:	96 inches <sup>1</sup>
Height of pallet positions 11 and 12:	88 inches <sup>1</sup> (65 in. wide)

The KC-10 has two 463L pallet/cargo configurations available:

Code B. 22 pallet positions available (2 L/R thru 12 L/R).

Code D. 16 pallet positions available (5 L/R thru 12 L/R).

### PASSENGER LOADING:

Airline seats (code B)	10 passengers
Airline seats (code D)	69 passengers
MAXIMUM ON OVERWATER FLIGHTS	69 passengers

### NOTES:

<sup>1</sup> Cargo door height limits all cargo to 96 inches above the pallet surface. The cargo compartment curvature restricts normal pallet building techniques. Refer to the pallet profiles illustrated in FM 55-9 or T.O. 1C-10(K)A-9.

<sup>2</sup> Includes weight of pallet and nets (355 lbs). All cargo and baggage must be palletized or placed on a 463L pallet subfloor.





**B. CIVIL RESERVE AIR FLEET (CRAF):**

1. CRAF represents approximately one-half of the AMC's total strategic war time airlift capability
  - a. 24% of the cargo capability
  - b. 95% of the passenger capability
  - c. 100% of strategic intertheater aeromedical capability
2. CRAF ACTIVATION (Information is updated monthly)
  - a. Stage I:

Purpose: Committed expansion. Up to 79 aircraft available on a 24-hour notice.  
(USTRANSCOM CINC has activation authority)
  - b. Stage II:

Purpose: Airlift emergency. Up to 195 additional (total 274) aircraft available on a 24-hour notice.  
(SECDEF has activation authority)
  - c. Stage III:

Purpose: Military emergencies. In addition to the Stage I & II aircraft, 383 additional aircraft available on a 48-hour notice, for a total of 657 aircraft.  
(SECDEF issues activation order ONLY after president of congress declares national emergency)



### 3. **CRAF AIRCRAFT TYPES AND CHARACTERISTICS**

#### 1. Wide-Body Aircraft:

- a. B747
  - 364 - 461 Passengers
  - 33 or 37 463L Pallets
  - 180,000 ACL
- b. DC-10
  - 380 Passengers
  - 30 463L Pallets
  - 176,000 ACL
- c. L-1011
  - 246 - 330 Passengers
  - No cargo version available for military use
  - 92,000 ACL
- d. B767
  - 152 - 207 Passengers, or 87 Litters w/41 ambulatory plus medical crew
  - No cargo version available for military use
  - 85,800 ACL
- e. MD-11
  - 320 Passengers
  - 35 463L Pallets
  - 195,600 ACL
- f. A310-300
  - 191 - 279 Passengers
  - No cargo version available for military use
  - 79,000 ACL

#### 2. Narrow-Body Aircraft:

- a. DC-8
  - No longer utilized for passengers
  - 14 or 18 463L Pallets
  - 90,000 ACL
- b. B-707
  - 142 Passengers
  - 13 463L pallets
  - 90,000 ACL